

ABSTRACT OF THE DISCLOSURE

An image display device includes an image signal source unit to provide primary image data and selected compensation data to compensate the primary image data, and a display unit to display images using compensated image data obtained by compensating the primary image data with the selected compensation data. The selected compensation data is selected from a set of compensation data in response to variation of ambient temperature of the display device. The image display device also includes a temperature sensor to detect the variation of the ambient temperature of the display device and provide temperature data corresponding to the variation of the ambient temperature. The image display device also includes a frequency sensor to detect frequency variation in a vertical synchronizing signal of the display unit, wherein the selected compensation data is selected from a set of compensation data in response to the variation of the ambient temperature and the frequency variation.